

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
 Data File : VL042313.D
 Acq On : 11 Apr 2025 10:36
 Operator : SY/MD
 Sample : VL0411ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0411ABL01

Quant Time: Apr 11 22:57:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

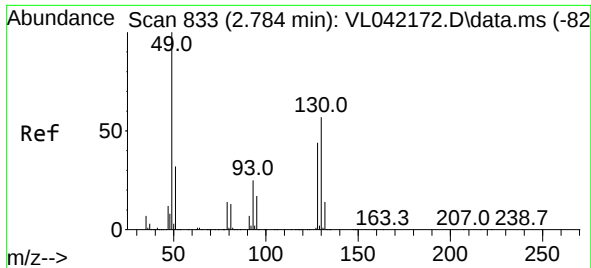
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.790	49	180225	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	445487	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	373548	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	277731	9.054	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.500%
Target Compounds						
					Qvalue	
13) Ethanol	1.725	45	514	0.436	ppbv	86
15) Acetone	1.839	43	6836	0.271	ppbv	94
19) Isopropyl Alcohol	1.887	45	712	0.050	ppbv #	30
20) Methylene Chloride	2.065	84	1628	0.173	ppbv #	91
34) 2-Butanone	2.567	43	1609	0.050	ppbv	98
39) 1,2-Dichloropropane	3.962	63	113554	7.060	ppbv #	22
66) Benzyl Chloride	11.542	91	234	0.030	ppbv #	92
74) 1,2,4-Trimethylbenzene	11.542	105	2698	0.041	ppbv #	59

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Apr 11 22:57:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
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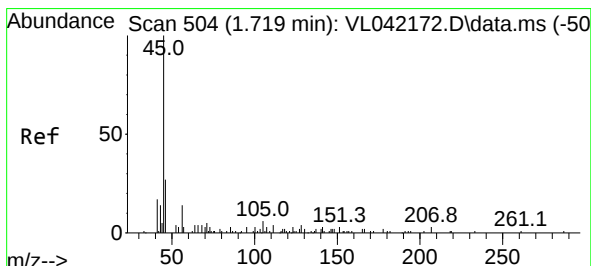
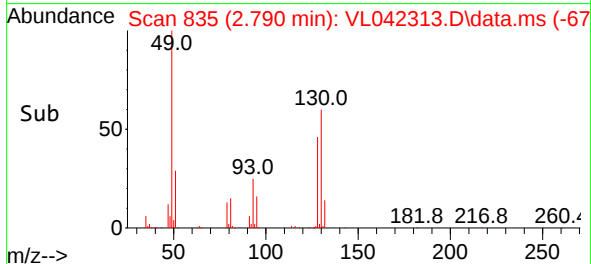
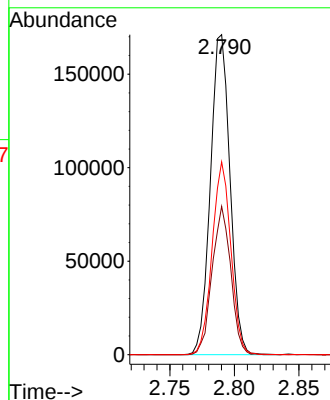
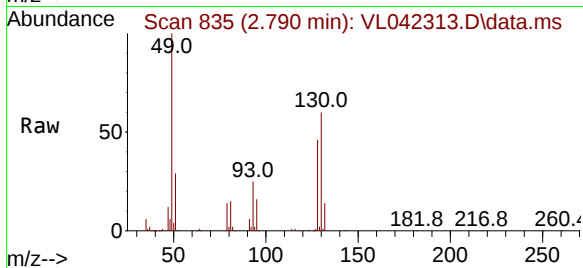




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.790 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: VL042313.D
 Acq: 11 Apr 2025 10:36

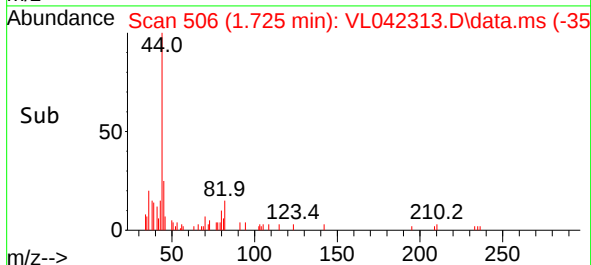
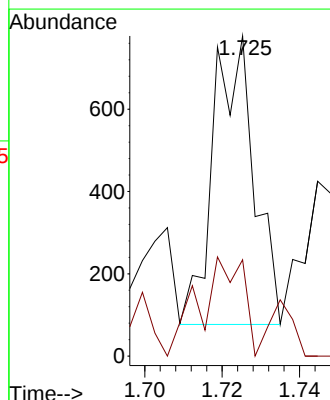
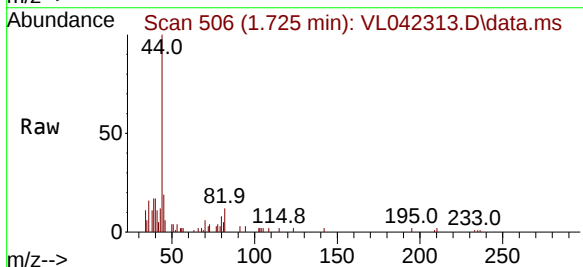
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0411ABL01

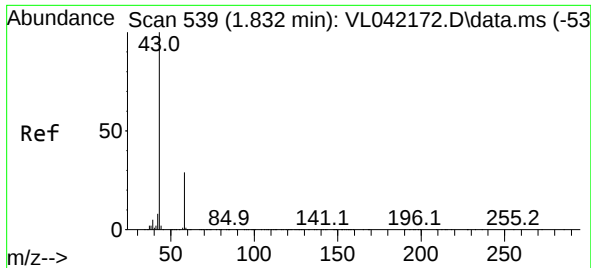
Tgt Ion: 49 Resp: 180225
 Ion Ratio Lower Upper
 49 100
 128 44.2 22.9 68.5
 130 57.8 28.8 86.4



#13
 Ethanol
 Concen: 0.436 ppbv
 RT: 1.725 min Scan# 506
 Delta R.T. 0.006 min
 Lab File: VL042313.D
 Acq: 11 Apr 2025 10:36

Tgt Ion: 45 Resp: 514
 Ion Ratio Lower Upper
 45 100
 46 60.5 20.2 80.8





#15

Acetone

Concen: 0.271 ppbv

RT: 1.839 min Scan# 541

Delta R.T. 0.006 min

Lab File: VL042313.D

Acq: 11 Apr 2025 10:36

Instrument :

MSVOA_L

ClientSampleId :

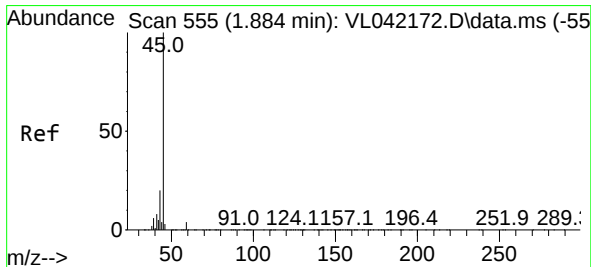
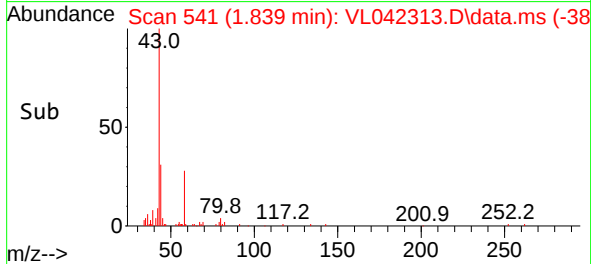
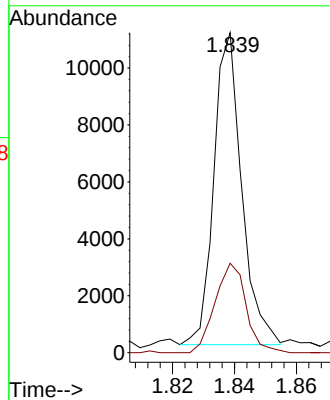
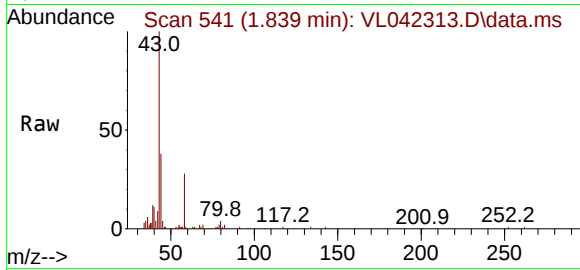
VL0411ABL01

Tgt Ion: 43 Resp: 6836

Ion Ratio Lower Upper

43 100

58 32.1 23.2 34.8



#19

Isopropyl Alcohol

Concen: 0.050 ppbv

RT: 1.887 min Scan# 556

Delta R.T. 0.003 min

Lab File: VL042313.D

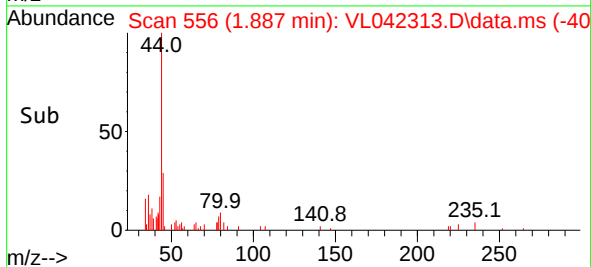
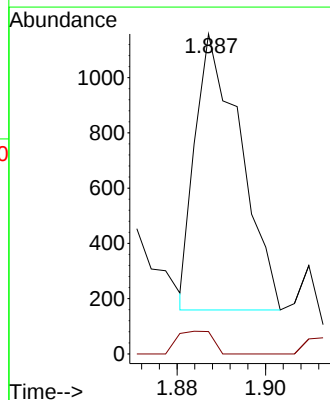
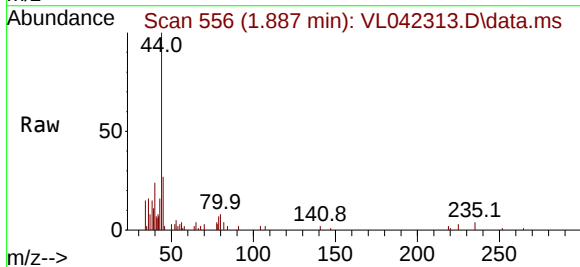
Acq: 11 Apr 2025 10:36

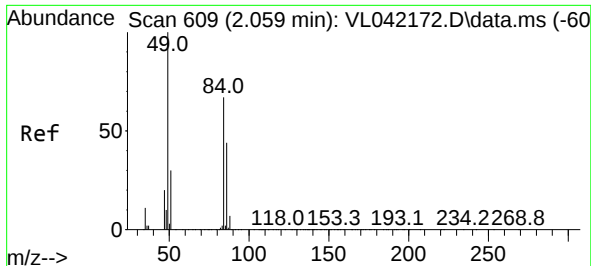
Tgt Ion: 45 Resp: 712

Ion Ratio Lower Upper

45 100

58 0.0 36.9 55.3#

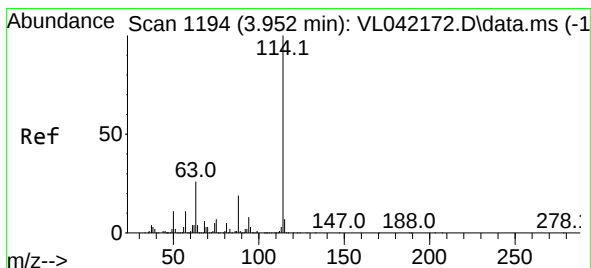
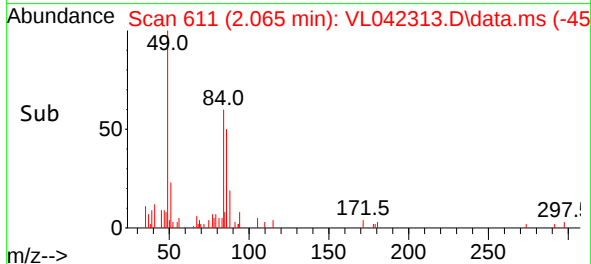
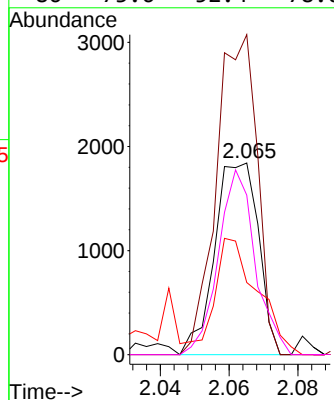
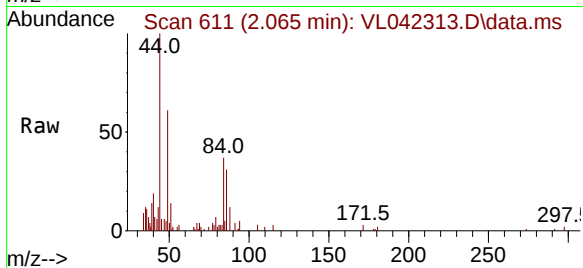




#20
Methylene Chloride
Concen: 0.173 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042313.D
Acq: 11 Apr 2025 10:36

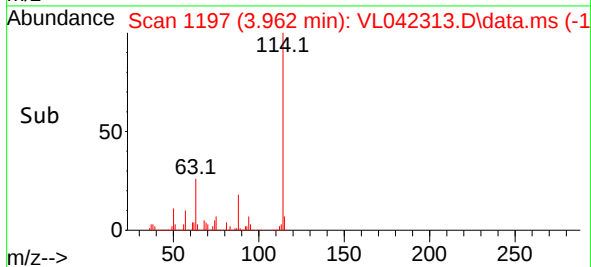
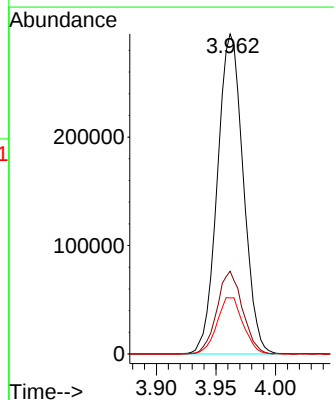
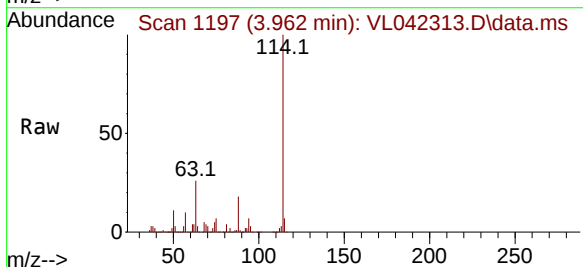
Instrument :
MSVOA_L
ClientSampleId :
VL0411ABL01

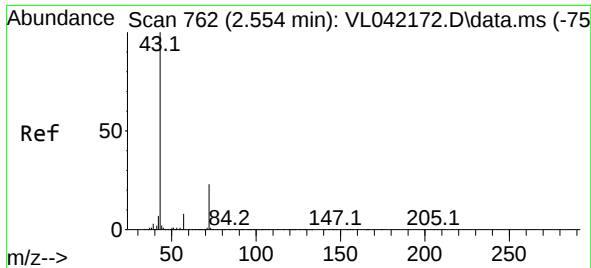
Tgt Ion: 84	Resp: 1628
Ion Ratio	Lower Upper
84 100	
49 147.6	120.2 180.4
51 26.8	37.4 56.0#
86 73.6	52.4 78.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.009 min
Lab File: VL042313.D
Acq: 11 Apr 2025 10:36

Tgt Ion:114	Resp: 445487		
Ion Ratio	Lower	Upper	
114 100			
63 25.6	20.7	31.1	
88 17.8	15.0	22.4	

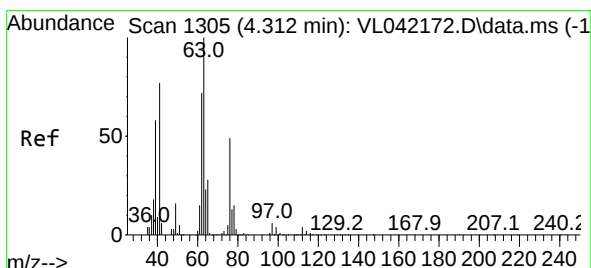
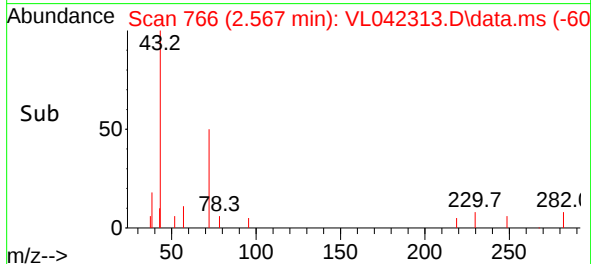
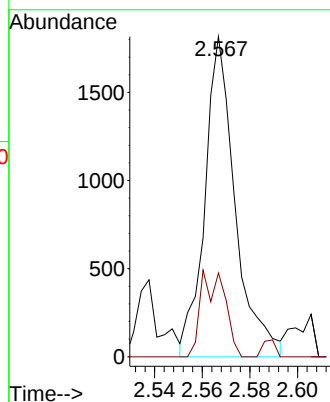
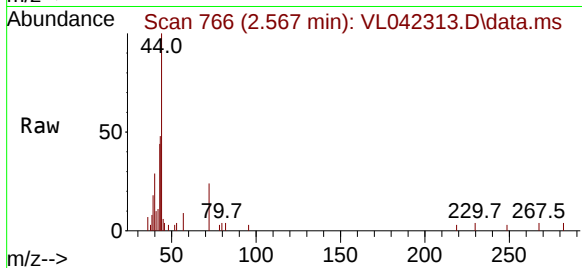




#34
2-Butanone
Concen: 0.050 ppbv
RT: 2.567 min Scan# 71
Delta R.T. 0.013 min
Lab File: VL042313.D
Acq: 11 Apr 2025 10:36

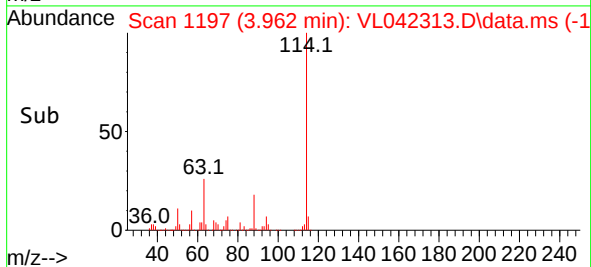
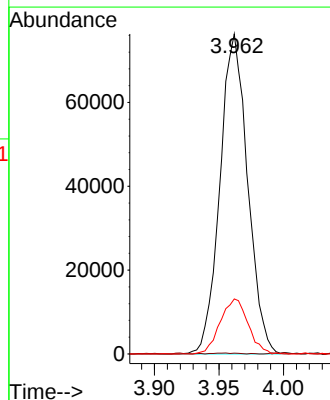
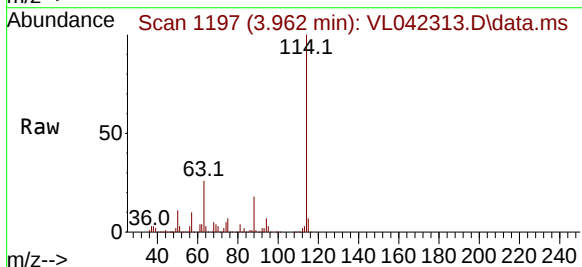
Instrument :
MSVOA_1
ClientSampleId :
VL0411ABL01

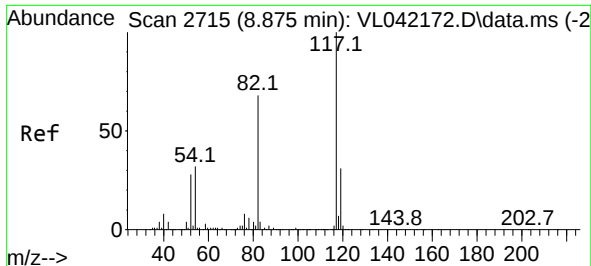
Tgt Ion: 43 Resp: 1609
Ion Ratio Lower Upper
43 100
72 23.5 18.2 27.2



#39
1,2-Dichloropropane
Concen: 7.060 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. -0.350 min
Lab File: VL042313.D
Acq: 11 Apr 2025 10:36

Tgt Ion: 63 Resp: 113554
Ion Ratio Lower Upper
63 100
41 0.2 61.7 92.5#
62 17.2 57.6 86.4#

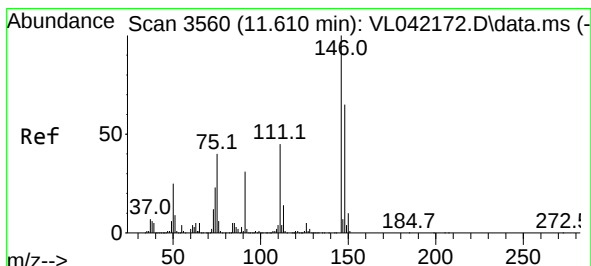
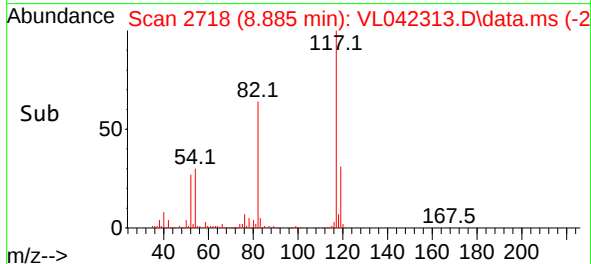
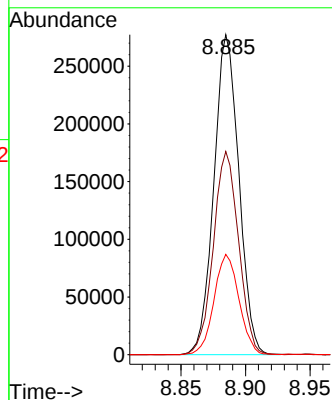
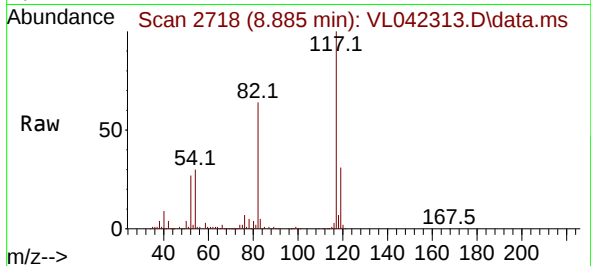




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 21
Delta R.T. 0.009 min
Lab File: VL042313.D
Acq: 11 Apr 2025 10:36

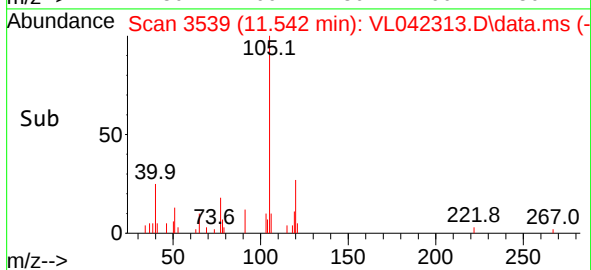
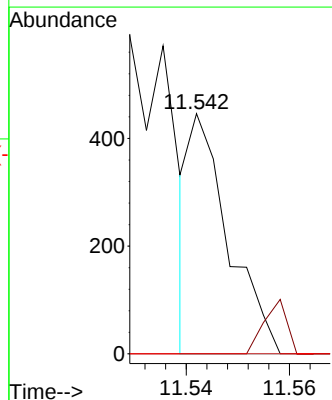
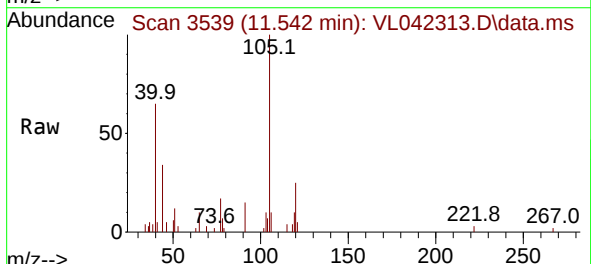
Instrument :
MSVOA_L
ClientSampleId :
VL0411ABL01

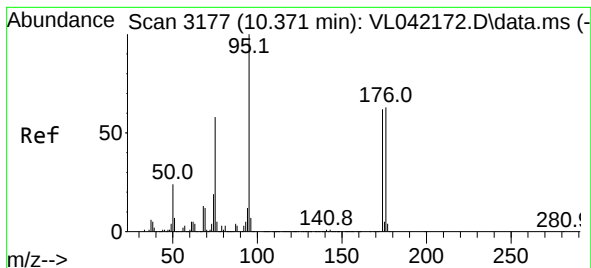
Tgt Ion:117 Resp: 373548
Ion Ratio Lower Upper
117 100
82 64.2 55.8 83.6
119 31.6 25.5 38.3



#66
Benzyl Chloride
Concen: 0.030 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. -0.068 min
Lab File: VL042313.D
Acq: 11 Apr 2025 10:36

Tgt Ion: 91 Resp: 234
Ion Ratio Lower Upper
91 100
126 13.2 13.8 20.6#
128 4.3 4.5 6.7#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.054 ppbv

RT: 10.380 min Scan# 3177

Delta R.T. 0.009 min

Lab File: VL042313.D

Acq: 11 Apr 2025 10:36

Instrument :

MSVOA_L

ClientSampleId :

VL0411ABL01

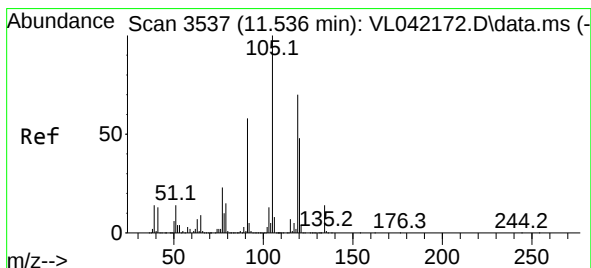
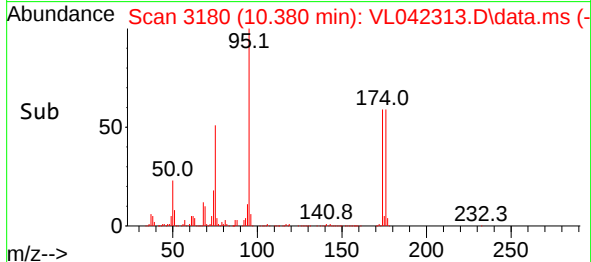
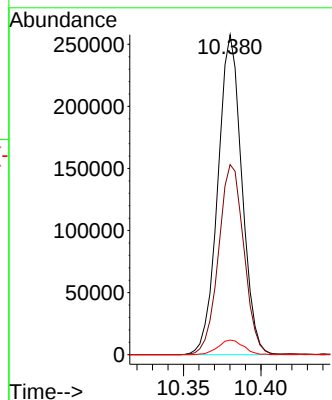
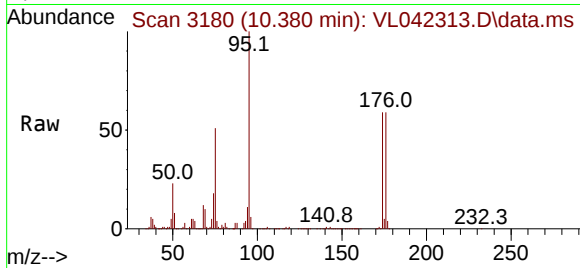
Tgt Ion: 95 Resp: 277731

Ion Ratio Lower Upper

95 100

174 63.3 50.6 76.0

175 4.9 3.8 5.6



#74

1,2,4-Trimethylbenzene

Concen: 0.041 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.006 min

Lab File: VL042313.D

Acq: 11 Apr 2025 10:36

Tgt Ion: 105 Resp: 2698

Ion Ratio Lower Upper

105 100

120 25.1 38.6 58.0#

91 14.8 46.2 69.2#

77 16.7 18.6 27.8#

